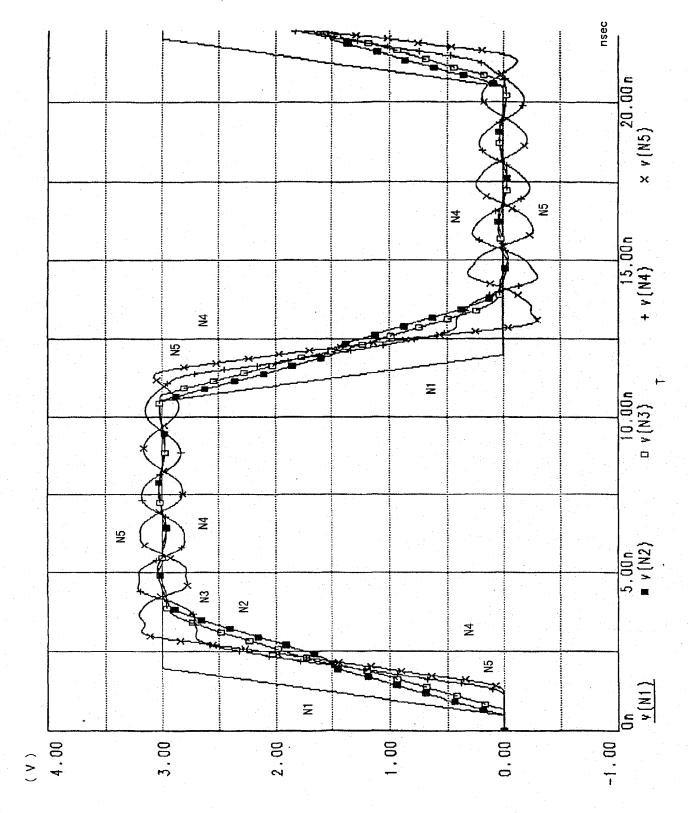
FIG. 2

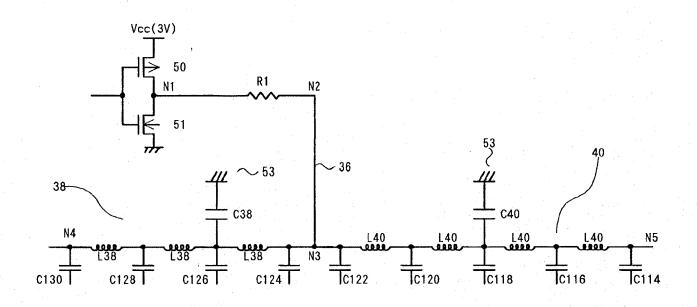


nsec × v(N5) S N4 N2 3n + v (N4) FIG. 3 2n o v (N3) N5 **X** N₂ **S**3 m v(N2) Z 0n v (N1) -1.00 1.50 2.00 (V) 4.00 3,00 1.00 00.00

The state of the s

FIG. 4 FIRST EMBODIMENT N6 --116 -118 DRIVER - 20 40 32~ (Obverse surface) - 22 - 36 - 38 O (Reverse surface) (Obverse surface) - 26 ~128 **- 30**

FIG. 5



$$Td = -\sqrt{Lo(Co+Cd)}$$

$$Zo = -\sqrt{\frac{Lo}{Co+Cd}}$$

Co=C38 or C40 Cd=C124+C126+C128+C130

or =C114+C116+C118+C120+C122

FIG. 6 SIGNAL TRANSMISSION PERIOD TO WIDTHS FOR BRANCHED SIGNAL LINES

Width of branched signal line	Cd PF/m	Co PF/m	Lo nH/m	Zo Ω	Td ns/m	Tdl ns/m
0.05mm	250	71	520	85.6	6.08	12.92
0.10mm	250	82	450	74.1	6.07	12.22
0.20mm	250	109	356	57.1	6.23	11.31
0.40mm	250	159	263	40.7	6.47	10.37
0.80mm	250	252	173	26.2	6.60	9.32

(u s) 20.00n × v(N5) 15.00n + v(N4) FIG. 7 Ξ 5.00n w (N2) SS 8 N4, N5 On v (N1) Z 3 4,00 -1,00 3.002.00 0.00 1.00

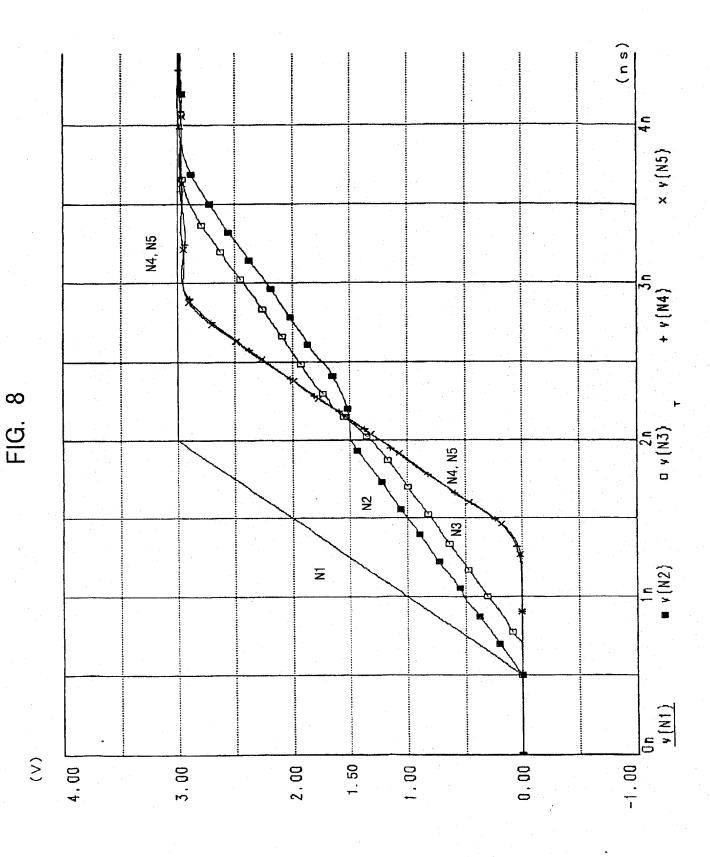


FIG. 9
SECOND EMBODIMENT

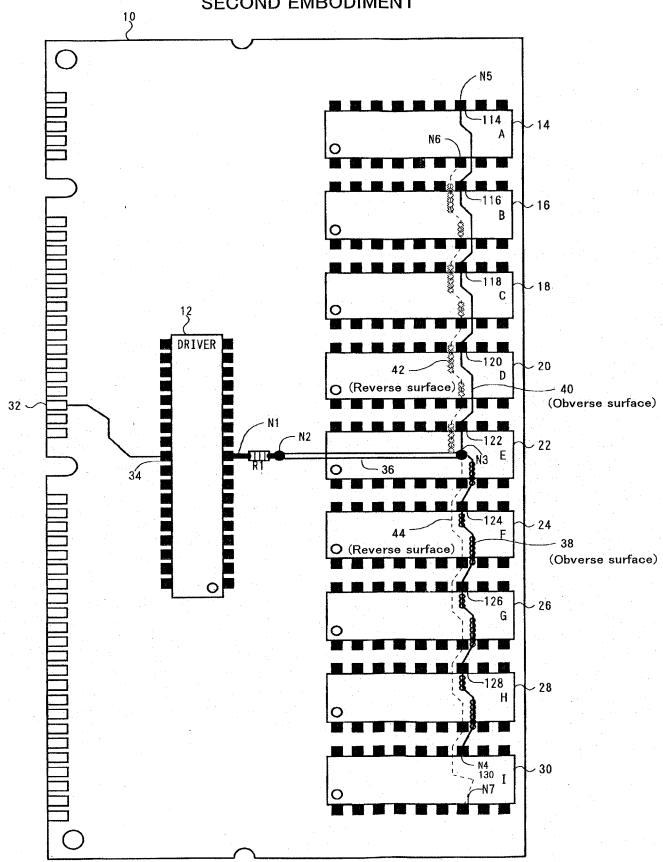


FIG. 10

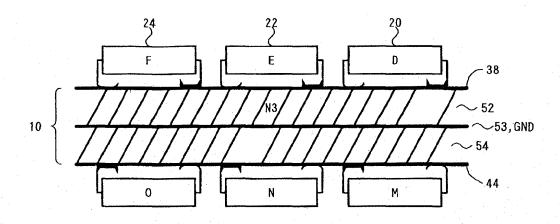


FIG. 11

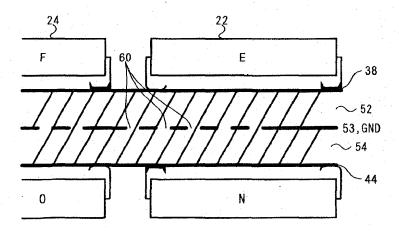


FIG. 12

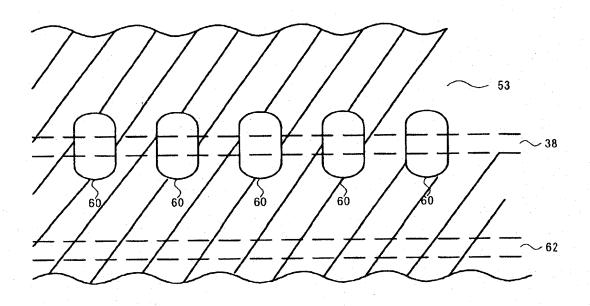


FIG. 13

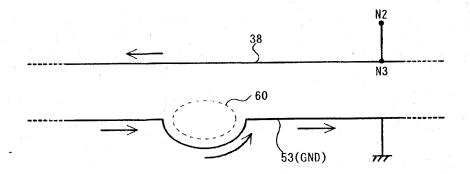


FIG. 14

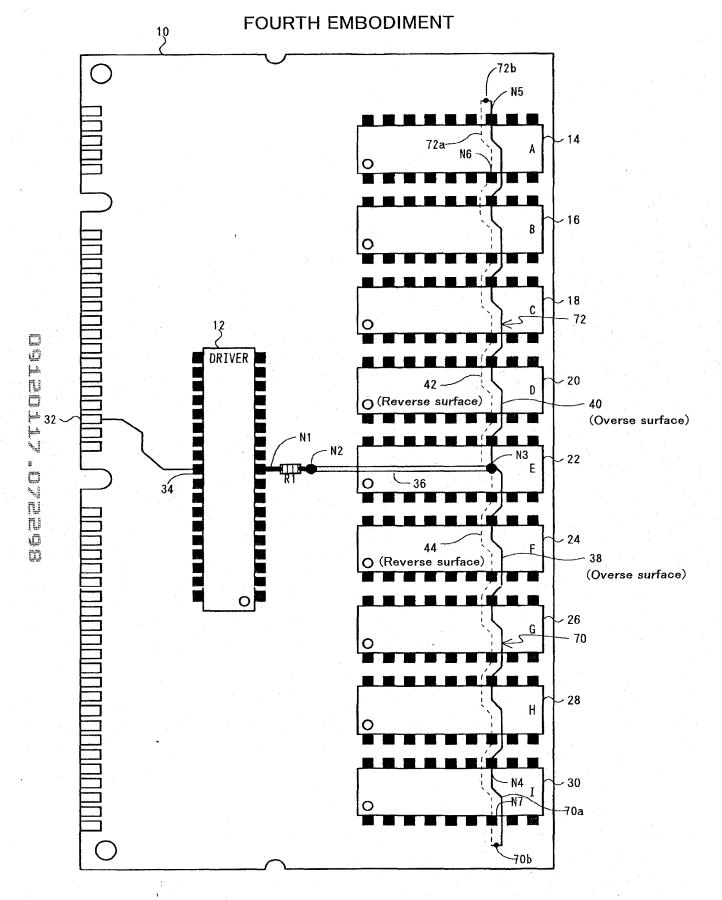


FIG. 15

EQUIVALENT CIRCUIT FOR SIGNAL LINES

